

ABSTRACT

A switch circuit including a first differential amplifier pair providing a portion of an isolation channel, a second differential amplifier pair providing a portion of a transmit channel, and a third differential amplifier pair providing a control bias for selecting either the
5 transmit channel or the isolation channel. The switch circuit provides 35dB isolation between input and output over a 15GHz-26GHz range, yet is only 500μm by 250μm in size.